

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 May 2002 (16.05.2002)

PCT

(10) International Publication Number
WO 02/039486 A3

(51) International Patent Classification: **G06F 9/54**

(21) International Application Number: PCT/US01/49984

(22) International Filing Date:
9 November 2001 (09.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/709,158 9 November 2000 (09.11.2000) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

(88) Date of publication of the international search report:
6 September 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 02/039486 A3

(54) Title: INTEGRATED SYSTEM FOR BIOLOGICAL INFORMATION

(57) Abstract: A system for the integration of heterogeneous bioinformatics software tools and databases (104) that allows interoperation of components adhering to a minimal set of standards. The system includes a software platform, one or more interface-based data models (110), and one or more component services. The invention utilizes an object oriented programming language to provide flexibility, synchronization, dynamic discovery, and The Client Environment comprises a common user interface (100). Various embodiments disclose particular data models of use for bioinformatics and plant biology. The flexibility and improvements this invention provides over traditional object oriented approaches has use for other fields not concerned with bioinformatics and biology.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/49984

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 9/54

US CL : 709/315

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/315; 202, 203

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,125,383 A (GLYNIAS et al) 26 September 2000 (26.09.2000), the whole document.	1-30
Y	US 5,329,619 A (PAGE et al) 12 July 1994 (12.07.1994), the whole document.	1-30

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

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T

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z

document member of the same patent family

Date of the actual completion of the international search

26 April 2002 (26.04.2002)

Date of mailing of the international search report

20 MAY 2002

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/49984

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

A system for the integration of heterogeneous bioinformatics software tools and databases (104) that allows interoperation of components adhering to a minimal set of standards. The system includes a software platform, one or more interface-based data models (110), and one or more component services. The invention utilizes an object oriented programming language to provide flexibility, synchronization, dynamic discovery, and The Client Environment comprises a common user interface (100). Various embodiments disclose particular data models of use for bioinformatics and plant biology. The flexibility and improvements this invention provides over traditional object oriented approaches has use for other fields not concerned with bioinformatics and biology.